

# Key to Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage		Training	Licensed Occupation
			Inexperienced	Median		
This column includes the title and a brief description of duties for each occupation. The actual job tasks in any particular job will depend on your employer, training, and experience.	This is the Standard Occupational Code for the occupation. This code can be useful when accessing other career information.	<p>The "star" rating is based on employment outlook and wages. Employment outlook is based 90 percent on the projected number of Utah job openings between 2004 and 2014 and 10 percent on how fast the occupation is expected to grow over that time period. Median annual wages were used to determine the rating.</p> <p>The star ratings are based on rankings within three following training-level groups. 1) Bachelor's Degree or Higher, 2) Associate Degree or After High School Applied Technology Training, 3) On-the-Job Training. <b>Keep in mind that a five-star occupation in the On-the-Job Training group will pay less than a five-star occupation requiring a college education.</b></p> <p>★★★★★ Five-star occupations have the strongest employment outlook and high wages.</p> <p>★★★★ Four-star occupations have a good employment outlook and relatively high wages.</p> <p>★★★ Three-star occupations have a moderate-to-strong employment outlook and low-to-moderate wages.</p> <p>★★ Two-star occupations fall into two categories. Either they have a high wage and limited employment outlook or they have a low wage and strong employment outlook.</p> <p>★ One-star occupations have a limited employment outlook and low wages.</p> <p><i>No Star</i> Virtually no new employment opportunities and very low wages.</p>	<p>These two columns show current Utah hourly wages from the Occupational Employment Statistics survey conducted by the Utah Department of Workforce Services.</p> <p>Inexperienced wages represent the bottom third of all wages for the occupation. It may also be used as an estimate of what an inexperienced worker may expect to earn when first starting the job.</p> <p>The average wage represents an average of all the wages of workers in this occupation. This is the figure a more experienced worker could expect to earn.</p>		<p>These are the training/education requirements that most workers report for entry into the occupation. This information is developed by the U.S. Bureau of Labor Statistics.</p> <p>Long-Term On-the-Job Training jobs generally require more than 12 months on-the-job training combined with some classroom instruction. Include occupations that require apprenticeships.</p> <p>Moderate-Term On-the-Job Training positions typically require one to 12 months training which may include observing experienced workers.</p> <p>Short-Term On-the Job Training occupations require less than one month on-the-job training.</p>	

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## Realistic — Doer (see pages 13 & 14)

### Five-Star Realistic Jobs

#### **Automotive Body and Related Repairers**

Repairs and customizes automotive bodies and frames. Removes dents, straightens bent frames using a pneumatic frame-straightening machine, and sands and paints repaired surfaces.

49-3021

★★★★★

\$12.70

\$16.40

Long-Term  
OJT

#### **Brickmasons and Blockmasons**

Sets bricks, concrete blocks, masonry panels, and other masonry materials to construct or repair walls, partitions, arches, sewers, and other structures.

47-2021

★★★★★

\$13.60

\$18.50

Long-Term  
OJT

Yes

#### **Bus and Truck Mechanics and Diesel Engine Specialists**

Inspects, repairs, and maintains diesel engines used to power machines.

49-3031

★★★★★

\$13.40

\$18.10

After High School  
Applied Technology

#### **Carpenters**

Constructs, erects, installs, and repairs structures or fixtures made of wood, plywood, and wallboard. Uses carpenter's hand tools and power tools.

47-2031

★★★★★

\$9.90

\$14.00

Long-Term  
OJT

Yes

#### **Cement Masons and Concrete Finishers**

Mixes, pours, and finishes concrete within fabricated forms for many types of construction projects, according to specifications and drawings. Creates walkways, floors, patios and panels by embedding marble chips or pebbles into the faces of finished concrete.

47-2051

★★★★★

\$11.00

\$15.30

Moderate  
OJT

Yes

#### **Civil Engineering Technicians**

Under the direction of engineering staff or physical scientists, applies theories and principles of civil engineering in planning, designing, and overseeing the construction and maintenance of structures and facilities including conducting field surveys, drafting drawings, and reviewing blueprints.

17-3022

★★★★★

\$14.20

\$17.90

Associate  
Degree

Yes

#### **Civil Engineers**

Performs engineering duties in planning, designing, and overseeing the construction and maintenance of structures and facilities such as roads, airports, bridges, dams, pipelines, power plants, and water and sewage systems.

17-2051

★★★★★

\$22.40

\$30.50

Bachelor's Degree

Yes

#### **Correctional Officers and Jailers**

Guards and monitors inmates in a correctional facility in accordance with established regulations and procedures.

33-3012

★★★★★

\$12.80

\$15.80

Moderate  
OJT

#### **Drywall and Ceiling Tile Installers**

Applies plaster board, gypsum board, or other wallboard to interior walls and ceilings of buildings.

47-2081

★★★★★

\$7.00

\$13.80

Moderate  
OJT

Yes

#### **Electrical and Electronic Engineering Technicians**

Lays out, builds, tests, and modifies electronic components, equipment, and systems such as computers, test equipment, and machine tool numerical controls, using principles of electronics, electrical circuitry, engineering, mathematics, and physics.

17-3023

★★★★★

\$15.00

\$23.10

Associate  
Degree

Yes

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage		Training	Licensed Occupation
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## Realistic — Doer Cont. (see pages 13 & 14)

### **Heating, Air Conditioning, and Refrigeration Mechanics and Installers**

Installs, services, and repairs heating and air conditioning systems in homes and commercial buildings.

49-9021

★★★★★

\$11.70

\$17.30

Long-Term  
OJT

Yes

### **Industrial Machinery Mechanics**

Diagnoses problems in production machinery and equipment. Repairs and maintains machinery and equipment.

49-9041

★★★★★

\$14.20

\$19.70

Long-Term  
OJT

### **Machinists**

Sets up and operates machine tools and uses shop drawings to make or repair metal parts for cars, machines, and other equipment.

51-4041

★★★★★

\$11.90

\$17.20

Long-Term  
OJT

### **Maintenance and Repair Workers, General**

Keeps machines, mechanical equipment, or structures of an establishment in good repair. Duties may involve pipefitting, insulating, welding, machining, machine and equipment repairing, carpentry, and electrical work.

49-9042

★★★★★

\$9.80

\$14.60

Moderate  
OJT

### **Mechanical Engineers**

Performs engineering duties to plan and design machines, engines, tools, and other mechanical equipment.

17-2141

★★★★★

\$25.50

\$34.20

Bachelor's Degree

Yes

### **Operating Engineers and Other Construction Equipment Operators**

Operates several types of power construction equipment, such as compressors, pumps, hoists, derricks, cranes, shovels, tractors, scrapers, or motor graders.

47-2073

★★★★★

\$13.00

\$16.20

Moderate  
OJT

### **Plumbers**

Assembles, installs, and repairs pipes, fittings, and fixtures of heating, water, and drainage systems, according to specifications and plumbing codes.

47-2152

★★★★★

\$14.50

\$20.40

Long-Term  
OJT

Yes

### **Radiologic Technologists and Technicians**

Takes X-rays and CAT scans of all parts of the human body. May operate computerized tomography scanners to produce cross sectional views of patients.

29-2034

★★★★★

\$15.40

\$20.40

Associate  
Degree

Yes

### **Roofers**

Covers roofs of structures with shingles, slate, aluminum, wood, or related materials, using hammers, knives, punches, and other tools. Sprays roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structures.

47-2181

★★★★★

\$10.50

\$14.00

Moderate  
OJT

Yes

### **Sheet Metal Workers**

Fabricates, assembles, installs, and repairs sheet metal products and equipment, such as control boxes, drainpipes, and furnace casings. Sets up and operates machines to cut, bend, and straighten sheet metal. Operates welding equipment to join sheet metal parts. Works from blueprints, sketches, and product specifications.

47-2211

★★★★★

\$12.50

\$19.60

Moderate  
OJT

Yes

### **Truck Drivers, Heavy and Tractor-Trailer**

Drives trucks that carry materials weighing 3 tons or more to transport and deliver freight, building materials, farm supplies, or other heavy cargo.

53-3032

★★★★★

\$13.00

\$16.60

Moderate  
OJT

Yes

## Four-Star Realistic Jobs

### **Aircraft Mechanics and Service Technicians**

Inspects, tests, repairs, maintains, and services aircraft. Spends an increasing amount of time repairing electronic systems such as computerized controls.

49-3011

★★★★

\$17.60

\$21.30

After High School  
Applied Technology

Yes

### **Airline Pilots, Copilots, and Flight Engineers**

Flies airplanes and helicopters to carry out a wide variety of tasks, such as transporting passengers and cargo, dusting crops, spreading seed for reforestation, testing aircraft, tracking criminals, monitoring traffic, and rescuing and evacuating injured persons. Often relies on computerized controls.

53-2011

★★★★

NA

NA

Bachelor's Degree

Yes

### **Architectural and Civil Drafters**

Prepares detailed drawings of architectural designs and plans for buildings and structures according to specifications provided by architect. Often uses computer-aided drafting (CAD) systems to prepare drawings.

17-3011

★★★★

\$13.80

\$17.90

After High School  
Applied Technology

### **Bus Drivers, Transit and Intercity**

Drives a bus to transport passengers from place to place within a city or town or from city to city.

53-3021

★★★★

\$9.90

\$14.20

Moderate  
OJT

Yes

### **Electrical and Electronics Repairers, Commercial and Industrial Equipment**

Installs, maintains, and repairs electronic equipment, such as industrial controls, telemetering and missile control systems, radar systems, transmitters, and antennae. Uses hand tools, meters, and electronic testing instruments.

49-2094

★★★★

\$17.80

\$23.20

After High School  
Applied Technology

Yes

### **Electronic Home Entertainment Equipment Installers and Repairers**

Adjusts and repairs radio and television receivers, stereo systems, tape recorders, video systems, and other electronic home entertainment equipment.

49-2097

★★★★

\$12.10

\$15.20

After High School  
Applied Technology

### **Fire Fighters**

Responds to fire alarms and other emergency calls to control and extinguish fires, protect life and property, and conduct rescue efforts.

33-2011

★★★★

\$8.00

\$12.40

Long-Term  
OJT

### **Industrial Truck and Tractor Operators**

Operates gasoline or electric-powered industrial trucks and tractors equipped with a fork lift, elevated platform, or trailer hitch. Moves materials around a warehouse, storage yard, factory, construction site, or similar location.

53-7051

★★★★

\$9.80

\$12.70

Short-Term  
OJT

### **Maintenance Workers, Machinery**

Performs basic maintenance activities such as cleaning, adjusting, and lubricating to keep equipment and machinery in good working order.

49-9043

★★★★

\$10.80

\$16.30

Short-Term  
OJT

### **Mechanical Engineering Technicians**

Applies theories and principles of mechanical engineering to develop and test machinery and equipment under the direction of engineering staff or physical scientists. Often uses computers and complex instruments.

17-3027

★★★★

\$13.40

\$19.50

Associate  
Degree

Yes

### **Mobile Heavy Equipment Mechanics, Except Engines**

Repairs and services mechanical, hydraulic, and pneumatic components of mobile heavy equipment such as bulldozers, graders, cranes, and conveyors used in construction, logging, and surface mining.

49-3042

★★★★

\$13.20

\$19.40

After High School  
Applied Technology

### **Painters, Construction and Maintenance**

Paints walls, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns.

47-2141

★★★★

\$9.90

\$13.70

Moderate  
OJT

### **Plasterers and Stucco Masons**

Applies coats of plaster onto interior or exterior walls, ceilings, or partitions of buildings to produce finished surface according to blueprints, architect's drawings, or oral instructions.

47-2161

★★★★

\$9.40

\$12.10

Long-Term  
OJT

Yes

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
<b>Realistic — Doer Cont. (see pages 13 &amp; 14)</b>						
<b><u>Structural Iron and Steel Workers</u></b> Fabricates, assembles, and installs steel frames to give support to buildings, bridges, dams, highways, and other structures. Uses blue prints, power tools, hoisting equipment, and a variety of hand tools.	47-2221	★★★★	\$9.90	\$16.40	Long-Term OJT	
<b><u>Structural Metal Fabricators and Fitters</u></b> Fabricates and assembles structural metal products, such as frameworks or shells for machinery, tanks, and stacks, and structural metal parts for buildings and bridges, according to job orders or blueprints.	51-2041	★★★★	\$11.00	\$14.40	Moderate OJT	Yes
<b><u>Telecommunications Equipment Installers and Repairers</u></b> Installs and repairs telephone station equipment such as telephone lines, coin/pay telephones, telephone booths, and switching-key equipment. May also install communication equipment, such as intercom systems and related apparatus, using schematic diagrams, testing devices, and hand tools.	49-2022	★★★★	\$19.40	\$23.20	Long-Term OJT	
<b><u>Telecommunications Line Installers and Repairers</u></b> Installs, repairs, maintains telephone and television cable and other equipment for transmitting messages or TV programming.	49-9052	★★★★	\$11.70	\$16.80	Long-Term OJT	
<b><u>Water and Liquid Waste Treatment Plant and System Operators</u></b> Operates and controls treatment equipment to clean, purify, and neutralize water for human consumption. Operates and controls equipment to remove harmful domestic and industrial pollutants from wastewater in sewage treatment plants.	51-8031	★★★★	\$13.50	\$18.50	Long-Term OJT	
<b><u>Welders, Cutters, Solderers, and Brazers</u></b> Uses hand welding equipment to weld together, solder or repair metal components and parts.	51-4121	★★★★	\$18.30	\$24.10	Long-Term OJT	Yes
<b>Three Star Realistic Jobs</b>						
<b><u>Automotive Service Technicians and Mechanics</u></b> Repairs automobiles, trucks, buses, and other vehicles, according to manufacturers' specifications. May repair any part on the vehicle, or specialize in a particular system such as transmissions, brakes, or coolant systems.	49-3023	★★★	\$9.60	\$14.90	After High School Applied Technology	
<b><u>Bakers</u></b> Mixes, forms, and bakes ingredients according to recipes. Produces small quantities of breads, pastries, and other baked goods for consumption on the premises or for sale as specialty baked goods.	51-3011	★★★	\$7.20	\$10.60	Long-Term OJT	
<b><u>Butchers and Meat Cutters</u></b> Cuts, trims, and prepares carcasses and consumer-sized portions of meat for sale or for use in food service companies. Follows strict government guidelines for the handling and preparation of meat products.	51-3021	★★★	\$8.80	\$13.10	Long Term OJT	
<b><u>Cabinetmakers and Bench Carpenters</u></b> Cuts, shapes, and assembles wooden articles, such as cabinets, high grade furniture, store fixtures, and office equipment. Uses hand tools and power tools. Sets up and operates a variety of machines.	51-7011	★★★	\$8.90	\$11.00	Long-Term OJT	
<b><u>Computer, Automated Teller, and Office Machine Repairers</u></b> Repairs and services office machines, such as adding, calculating, duplicating, typewriting, and fax machines. meters, Involves the repair of manual, electrical, and electronic office machines. Uses hand tools, power tools, gauges, volt-meters, ohmmeters, circuit test equipment, and soldering or welding equipment.	49-2011	★★★	\$11.10	\$16.80	After High School Applied Technology	

<b><u>Computer-Controlled Machine Tool Operators</u></b>	51-4011	★★★	\$11.30	\$13.80	Moderate OJT
Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.					
<b><u>Construction Laborers</u></b>	47-2061	★★★	\$8.00	\$10.60	Moderate OJT
Perform tasks involving physical labor at building, highway, and heavy construction projects, tunnel and shaft excavations, and demolition sites.					
<b><u>Couriers and Messengers</u></b>	43-5021	★★★	\$7.70	\$9.90	Short-Term OJT
Receives and delivers messages, documents, packages, and other items. May deliver between offices or departments within an establishment, to other establishments, or to private homes.					
<b><u>Electrical and Electronic Equipment Assemblers</u></b>	51-2022	★★★	\$7.80	\$10.00	Short-Term OJT
Assembles and modifies electrical or electronic equipment such as control systems, radio equipment, test instruments, computers, numerical control machine tools, radar, telemetering systems, and appliances.					
<b><u>Laborers and Freight, Stock, and Material Movers, Hand</u></b>	53-7062	★★★	\$7.50	\$9.90	Short-Term OJT
Loads, unloads, and moves freight materials at a plant, yard, or other work site. Transports freight by hand or using dollies, hand trucks, or wheelbarrows.					
<b><u>Mechanical Drafters</u></b>	17-3013	★★★	\$12.20	\$17.00	After High School Applied Technology
Prepares detailed working diagrams of machinery and mechanical devices, including dimensions, assembly instructions, fastening methods, and other engineering information. Often uses computer-aided drafting (CAD) systems to prepare drawings.					
<b><u>Medical Appliance Technicians</u></b>	51-9082	★★★	NA	NA	Long-Term OJT
Construct, fit, maintain, or repair medical supportive devices, such as braces, artificial limbs, joints, and other surgical and medical appliances.					
<b><u>Packaging and Filling Machine Operators and Tenders</u></b>	51-9111	★★★	\$7.90	\$10.60	Short-Term OJT
Tends and operates machines that package products. Operates machines such as filling machines, casing-running machines, baling machines, wrapping machines, and stuffing machines to prepare industrial or consumer products for storage or shipment.					
<b><u>Prepress Technicians and Workers</u></b>	51-5022	★★★	\$9.60	\$13.60	Long-Term OJT
Set up and prepare material for printing presses.					
<b><u>Printing Machine Operators</u></b>	51-5023	★★★	\$8.30	\$10.80	Moderate OJT
Operates and tends manually controlled or automatic printing machines, such as offset lithographic presses, letter or letterset presses, flexographic or gravure presses, to produce print on paper or other materials such as plastic, cloth, or rubber.					
<b><u>Roustabouts, Oil and Gas</u></b>	47-5071	★★★	\$11.40	\$12.60	Moderate OJT
Assembles, erects, and repairs oil field equipment using hand and power tools.					

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Realistic — Doer Cont. (see pages 13 & 14)						
<b><u>Surgical Technologists</u></b> Performs a variety of tasks in operating room - before, during, and after an operation - such as preparing patients for surgery and placing supplies and equipment in the operating room to assist the surgeon and other medical staff with surgery.	29-2055	★★★	\$11.40	\$14.20	After High School Applied Technology	Yes
<b><u>Team Assemblers</u></b> Work as part of a team having responsibility for assembling an entire product or component of a product.	51-2092	★★★	\$8.20	\$10.40	Moderate OJT	
<b><u>Truck Drivers, Light or Delivery Services</u></b> Drives a truck, van, or other vehicle with a capacity under 3 tons to transport materials, products, or people.	53-3033	★★★	\$8.30	\$11.20	Short-Term OJT	
Two Star Realistic Jobs						
<b><u>Amusement and Recreation Attendants</u></b> Performs a variety of attending duties at amusement parks or recreation facilities such as scheduling the use of recreation facilities.	39-3091	★★	\$5.90	\$7.20	Short-Term OJT	
<b><u>Bus Drivers, School</u></b> Drives a bus to transport students between pick-up points and school. Maintains order during trip and adheres to safety rules when loading and unloading students.	53-3022	★★	\$7.60	\$9.70	Short-Term OJT	Yes
<b><u>Cleaners of Vehicles and Equipment</u></b> Washes or otherwise cleans vehicles, machinery, and other equipment. Uses such materials as water, cleaning agents, brushes, cloths, and other cleaning tools.	53-7061	★★	\$6.20	\$8.00	Short-Term OJT	
<b><u>Combined Food Preparation and Serving Workers, Including Fast Food</u></b> Performs a variety of food preparation duties to prepare food items for cooking, serving, or storing.	35-3021	★★	\$5.90	\$7.10	Short-Term OJT	
<b><u>Cooks, Fast Food</u></b> Prepares and cooks food in a fast food restaurant with a limited menu. Duties are typically limited to one or two basic items requiring short preparation time and normally involve operating large-volume, single-purpose cooking equipment.	35-2011	★★	\$5.90	\$6.90	Short-Term OJT	
<b><u>Cooks, Institution and Cafeteria</u></b> Prepares and cooks meals for institutions such as schools, hospitals, or cafeterias. Usually prepares food in large quantities rather than to individual orders. May cook for employees in office building or other large facility.	35-2012	★★	\$7.00	\$9.50	Moderate OJT	

<b><u>Cooks, Restaurant</u></b>	35-2014	★★	\$6.80	\$9.10	Long-Term	
Prepares, seasons, and cooks soups, meats, vegetables, desserts, and other foodstuffs in restaurants.						OJT
<b><u>Cooks, Short Order</u></b>	35-2015	★★	\$7.40	\$8.80	Short-Term	
Prepares and cooks to order a variety of foods that require only a short preparation time.						OJT
<b><u>Counter Attendants, Cafeteria, Food Concession, and Coffee Shop</u></b>	35-3022	★★	\$5.90	\$7.20	Short-Term	
Performs duties in eating establishments to keep dining areas clean and orderly and to assist other restaurant staff in the service of patrons.						OJT
<b><u>Dishwashers</u></b>	35-9021	★★	\$5.90	\$7.10	Short-Term	
Maintains and cleans kitchen work areas, equipment, and utensils. Assists the chef, cook, or other staff as needed.						
Washes and sanitizes dishes, pots, pans, and utensils.						OJT
<b><u>Farmworkers and Laborers, Crop, Nursery, and Greenhouse</u></b>	45-2092	★★	\$6.90	\$8.20	Short-Term	
Performs general farm labor duties as directed by farmers, farm managers, or supervisors such as operating tractors to plow and plant crops and feeding and caring for livestock.						OJT
<b><u>Food Preparation Workers</u></b>	35-2021	★★	\$5.90	\$7.30	Short-Term	
Performs a variety of food preparation duties to prepare food items for cooking, serving, or storing.						OJT
<b><u>Home Health Aides</u></b>	31-1011	★★	\$7.10	\$8.70	Short-Term	Yes
Attends to the personal health needs of elderly, convalescent, or handicapped persons in their homes. Provides medical care as prescribed by a physician or under direction of a home care nurse.						OJT
<b><u>Janitors and Cleaners</u></b>	37-2011	★★	\$6.80	\$8.50	Short-Term	
Keeps buildings in a clean and orderly condition. Performs heavy cleaning duties such as operating motor-driven cleaning equipment, buffing floors, washing walls, and removing rubbish.						OJT
<b><u>Landscaping and Groundskeeping Workers</u></b>	37-3011	★★	\$7.00	\$9.30	Short-Term	
Landscapes and maintains gardens, lawns, and grounds of public or private property including tasks such as seeding and fertilizing lawns, cleaning flower beds, and watering lawns, trees, and plants.						OJT
<b><u>Laundry and Dry-Cleaning Workers</u></b>	51-6011	★★	\$6.90	\$8.30	Moderate	
Operates and tends washing or dry-cleaning machines to clean commercial, industrial, or household articles, such as cloth garments, suede, leather, furs, blankets, draperies, fine linens, and rugs.						OJT
<b><u>Locomotive Engineers</u></b>	53-4011	★★	\$22.70	\$32.60	Related Work	
Drives electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers and freight.						Experience
Interprets train orders, block or semaphore signals, and railroad rules and regulations.						
<b><u>Maids and Housekeeping Cleaners</u></b>	37-2012	★★	\$6.30	\$7.80	Short-Term	
Performs tasks to keep private households or commercial establishments such as hotels, restaurants, and hospitals, in a clean and orderly condition.						OJT



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## Realistic — Doer Cont. (see pages 13 & 14)

### Medical and Clinical Laboratory Technicians

Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.

29-2012

★★

\$9.50

\$12.10

Associate  
Degree

Yes

### Packers and Packagers, Hand

Packs or packages a wide variety of products and materials by hand. May use hand tools or packaging equipment.

53-7064

★★

\$5.90

\$7.10

Short-Term  
OJT

## One Star Realistic Jobs

### Forest and Conservation Technicians

Compile data pertaining to size, content, condition, and other characteristics of forest tracts.

19-4093

★

\$9.60

\$11.90

Associate  
Degree

### Sewing Machine Operators

Operates and tends sewing machines to join, reinforce, or decorate garments or garment parts. May perform specialized or automatic sewing machine functions, such as buttonhole making or tacking.

51-6031

★

\$6.70

\$8.50

Moderate  
OJT

## Investigative — Thinker (see pages 13 & 14)

## Five Star Realistic Jobs

### Computer Hardware Engineers

Analyzes data processing needs of clients to plan electronic data processing system. Plans the layout and installation of new systems, or modification of existing systems.

17-2061

★★★★★

NA

\$40.59  
(National)

Bachelor's Degree

### Computer Software Engineers, Applications

Develop, create, and modify general computer applications software or specialized utility programs.

15-1031

★★★★★

\$20.80

\$32.20

Bachelor's Degree

### Computer Software Engineers, Systems Software

Research, design, develop, and test operating systems-level software, compilers, and network distribution software

15-1032

★★★★★

\$24.00

\$34.80

Bachelor's Degree

### Computer Systems Analysts

Analyzes business, scientific, or technical problems. Develops procedures and coordinates the installation of appropriate computer programs and operating systems.

15-1051

★★★★★

\$21.80

\$30.60

Bachelor's Degree

### Dentists

Diagnoses and treats problems of the teeth and tissue of the mouth using dental instruments, x-ray, and other diagnostic equipment.

29-1020

★★★★★

\$33.00

\$65.30

First Professional  
Degree

Yes

<b><u>Electrical Engineers</u></b>	17-2071	★★★★★	\$25.60	\$36.80	Bachelor's Degree	Yes
Designs, develops, tests, or supervises the manufacturing and installation of electrical equipment, components, or systems for commercial, residential, industrial, or scientific use.						
<b><u>Electronics Engineers, Except Computer</u></b>	17-2072	★★★★★	\$27.50	\$36.00	Bachelor's Degree	Yes
Researches, designs, develops, and tests electronic components and systems for commercial, industrial, or scientific use, using computers and knowledge of electronic theory and materials properties.						
<b><u>Network and Computer Systems Administrators</u></b>	15-1071	★★★★★	\$16.60	\$25.00	Bachelor's Degree	
Install, configure, and support an organization's network, and Internet system or a segment of a network system.						
<b><u>Pharmacists</u></b>	29-1051	★★★★★	\$37.50	\$43.00	First Professional Degree	Yes
Prepares and dispenses medications, following prescriptions issued by physicians, dentists, or other authorized medical practitioners and answers questions and provides information to pharmacy customers.						
<b>Four Star Investigative Jobs</b>						
<b><u>Chemists</u></b>	19-2031	★★★★	\$17.90	\$24.40	Bachelor's Degree	
Conducts chemical analyses and and studies the effects of experiments in laboratories to expand knowledge of chemical processes, develop new products, improve existing products, or to establish quality or process control.						
<b><u>Computer Programmers</u></b>	15-1021	★★★★	\$16.60	\$27.00	Bachelor's Degree	
Develops and writes computer programs to store, locate, and retrieve information by using work flow charts and converting raw data into coded computer language.						
<b><u>Computer Support Specialists</u></b>	15-1041	★★★★	\$11.50	\$16.80	Associate Degree	
Provides technical assistance and training to computer system users and investigates and resolves computer software and hardware problems.						
<b><u>Environmental Scientists and Specialists, Including Health</u></b>	19-2041	★★★★	\$19.50	\$28.40	Master's Degree	Yes
Conducts research to develop methods of eliminating or controlling sources of environmental pollutants, utilizing knowledge of various scientific disciplines.						
<b><u>Family and General Practitioners</u></b>	29-1062	★★★★	\$44.40	NA	First Professional Degree	Yes
Diagnoses illnesses, and prescribes and administers treatment for people suffering from injury or disease, examining and conducting tests on patients to gather information on their medical condition.						
<b><u>Financial Analysts</u></b>	13-2051	★★★★	\$18.50	\$26.00	Bachelor's Degree	
Conducts statistical analyses of information affecting investment programs of public or private institutions and individuals.						
<b><u>Industrial Engineering Technicians</u></b>	17-3026	★★★★	\$15.40	\$22.40	Associate Degree	Yes
Records and analyzes time, motion, method, and speed involved in the performance of production, maintenance, and other worker operations to establish standard production rates or improving efficiency.						

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
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## Investigative — Thinker Cont. (see pages 13 & 14)

### **Network Systems and Data Communications Analysts**

Researches, tests, evaluates, and recommends data communications hardware and software.

15-1081

★★★★

\$18.30

\$26.20

Bachelor's Degree

### Three Star Investigative Jobs

### **Market Research Analysts**

Researches market conditions in local, regional, or national areas to determine potential sales of a product or service and may use survey results to create a marketing campaign based on regional preferences and buying habits.

19-3021

★★★

\$14.10

\$21.60

Bachelor's Degree

### **Medical and Clinical Laboratory Technologists**

Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease.

29-2011

★★★

\$17.10

\$22.60

Bachelor's Degree

Yes

### **Operations Research Analysts**

Analyzes management and operational problems within an organization. Prepares mathematical or simulation models to demonstrate possible solutions.

15-2031

★★★

\$16.80

\$24.70

Master's Degree

### Two Star Investigative Jobs

### **Clinical, Counseling, and School Psychologists**

Diagnoses and evaluates mental and emotional disorders of individuals through observation, interview, and psychological tests. Formulates and administers programs of treatment.

19-3031

★★

\$16.10

\$25.30

Doctor's Degree

Yes

### **Veterinarians**

Examines, diagnoses, and treats medical problems in animals. May work with pets and/or livestock, or with laboratory animals used for research.

29-1131

★★

\$25.00

\$36.30

First Professional Degree

Yes

## Artistic — Creator (see pages 13 & 14)

### Four Artistic Jobs

### **Advertising and Promotions Managers**

Plans and directs advertising and policies and programs to create or promote interest in a product or service.

11-2011

★★★★

\$15.80

\$25.40

Experience plus  
Bachelor's Degree

### **Architects, Except Landscape and Naval**

Plans and designs structures for residential, commercial, and industrial property owners. Often uses computer-aided design and drafting (CADD) systems.

17-1011

★★★★

\$19.60

\$27.60

Bachelor's Degree

Yes

## Three Star Artistic Jobs

<b><u>Interior Designers</u></b>	27-1025	★★★	\$13.30	\$17.10	Bachelor's Degree
Plans, designs, and furnishes interiors of residential, commercial, or industrial buildings.					
<b><u>Librarians</u></b>	25-4021	★★★	\$13.30	\$19.90	Master's Degree
Provides library services by selecting, acquiring, processing, and organizing library materials such as books, publications, documents, audiovisual aids, and other reference materials for patron use. Assists patrons in the use of library resources.					
<b><u>Multi-Media Artists and Animators</u></b>	27-1014	★★★	\$13.30	\$22.40	Bachelor's Degree
Creates graphics for television and computer-generated media. Produces still and animated graphics for on-air and taped portions of television broadcasts, using electronic video equipment. Uses computer software to design new images or to modify existing ones.					
<b><u>Photographers</u></b>	27-4021	★★★	\$8.00	\$13.70	Long-Term OJT
Photographs subjects or events using a variety of cameras that can accept lenses for close-up, medium-range, or distance photography. Often uses computers to scan a picture to digital form and to manipulate it to create a desired effect.					
<b><u>Producers and Directors</u></b>	27-2012	★★★	\$14.40	\$22.20	Experience plus Bachelor's Degree
Producer selects plays or scripts, arranges financing, and decides on the size of the production and its budget. Director interprets scripts, auditions and selects cast members, conducts rehearsals, and directs the work of the cast and crew.					
<b><u>Writers and Authors</u></b>	27-3043	★★★	\$13.60	\$21.70	Bachelor's Degree
Creates original written works for publication or performance. May write as private author, or for clients such as publishers, motion picture studios, television networks, radio stations, magazines and trade journals, newspapers, and advertisements.					

## Two Star Artistic Jobs

<b><u>Actors</u></b>	27-2011	★★	\$10.50	\$65.00	Long-Term OJT
Performs dramatic roles, action roles, comedy routines, or tricks of illusion to entertain audiences on stage, television, or motion pictures.					
<b><u>Fine Artists, Including Painters, Sculptors, and Illustrators</u></b>	27-1013	★★	\$11.00	\$21.40	Long-Term OJT
Creates original works of art, or produces artwork according to instructions, using such mediums and paint and canvas, wood, metal, clay, ceramics, or other materials.					
<b><u>Floral Designers</u></b>	27-1023	★★	\$7.00	\$8.50	Moderate OJT
Designs and fashions live, cut, dried, or artificial floral arrangements for individuals or for events such as weddings, banquets, and funerals.					

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
Artistic — Creator Cont. (see pages 13 & 14)						
<b><u>Graphic Designers</u></b> Designs art and copy layouts for material to be presented by magazines, newspapers, television, and packaging. Uses computer software to design new images or to modify existing ones.	27-1024	★★	\$11.30	\$16.10	Bachelor's Degree	
Not Rated Artistic Jobs						
<b><u>Models</u></b> Poses for pictures taken by photographers or as subject for paintings or sculptures. Models garments for prospective customers.	41-9012		NA	NA	Moderate OJT	
Social — Helper (see pages 13 & 14)						
Five Star Social Jobs						
<b><u>Dental Hygienists</u></b> Performs non-surgical dental treatments such as cleaning plaque, tartar, and stains from teeth and beneath the margins of gums, using dental instruments. Also instructs individuals in the care of the teeth and gums.	29-2021	★★★★★	\$18.40	\$30.00	Associate Degree	Yes
<b><u>Physical Therapists</u></b> Selects and applies techniques and treatments that help relieve pain, increase strength, and decrease or prevent crippling for patients in a hospital or other health care facility.	29-1123	★★★★★	\$22.80	\$28.80	Master's Degree	Yes
<b><u>Police and Sheriff's Patrol Officers</u></b> Patrols assigned areas to enforce laws and ordinances, regulate traffic, control crowds, prevent crime, and arrest violators.	33-3051	★★★★★	\$14.40	\$18.50	Long-Term OJT	
<b><u>Registered Nurses</u></b> Administers nursing care to ill or injured persons providing health care, first aid, and immunization in facilities such as hospitals, schools, and industry. Includes administrative, public health, industrial, private duty, and surgical nurses.	29-1111	★★★★★	\$19.60	\$24.80	Associate Degree	Yes
Four Star Social Jobs						
<b><u>Dental Assistants</u></b> Assists dentists by performing support duties for the treatment of patients during dental procedures such as sterilizing instruments, setting up instrument trays, and recording treatment information in patient records.	31-9091	★★★★	\$9.40	\$12.20	Moderate OJT	Yes

**Licensed Practical Nurses and Licensed Vocational Nurses**

Cares for ill, injured, convalescent, and handicapped persons in private homes, hospitals, clinics, and similar health care facilities.

29-2061

★★★★

\$12.60

\$16.10

After High School  
Applied Technology

Yes

**Personal Financial Advisors**

Provides financial counseling to individuals about debt management and other financial matters.

13-2052

★★★★

\$14.80

\$23.40

Bachelor's Degree

**Police, Fire, and Ambulance Dispatchers**

Receives calls from the public concerning emergencies or crimes, and broadcasts orders to police patrol units in the vicinity to investigate. Operates radio and telephone equipment to receive reports of fires and medical emergencies, and relays information or orders to appropriate response units.

43-5031

★★★★

\$11.20

\$13.30

Moderate  
OJT

**Principals (Education Administrators, Elementary and Secondary schools)**

Plans, develops, and administers educational programs, school policies, and academic codes of ethics to provide educational opportunities for students. Monitors programs for effectiveness and compliance with federal, state, and local regulations.

11-9032

★★★★

\$55,630  
(Contract)

\$68,540

Experience plus  
Bachelor's Degree

Yes

**Speech-Language Pathologists**

Examines and provides remedial services for persons with speech and hearing disorders, administering hearing or speech/language evaluations, tests, and examinations and counseling and instructing clients in techniques to accommodate speech or hearing impairment.

29-1127

★★★★

\$17.70

\$25.30

Master's Degree

Yes

**Three Star Social Jobs**

**Elementary School Teachers**

Teaches basic academic, social, and other formative skills to pupils in public or private elementary schools.

25-2021

★★★

\$28,280  
(Contract)

\$39,820

Bachelor's Degree

Yes

**Fitness Trainers and Aerobics Instructors**

Evaluates, advises, and trains athletes to maintain their physical fitness.

39-9031

★★★

\$10.10

\$18.60

After High School  
Applied Technology

**Kindergarten Teachers**

Teaches personal hygiene, music, art, and elementary academics to children from 4 to 6 years old to promote physical, mental, and social development.

25-2012

★★★

\$18,800  
(Contract)

\$34,610

Bachelor's Degree

Yes

**Medical and Public Health Social Workers**

Assesses, counsels, and aids individuals and families with problems relating to finances, employment, food, clothing, child care, housing, or other human needs and conditions.

21-1022

★★★

\$13.70

\$20.10

Bachelor's Degree

Yes

**Medical Assistants**

Performs a variety of duties under the direction of a physician, in the examination and treatment of patients including preparing treatment rooms for examination of patients, handing instruments and materials to physicians and maintaining medical records.

31-9092

★★★

\$9.30

\$10.70

Moderate  
OJT

Yes

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
Social — Helper Cont. (see pages 13 & 14)						
<b><u>Middle School Teachers</u></b> Teach students in public or private schools in one or more subjects at the middle, intermediate, or junior high level.	25-2022	★★★	\$28,820	\$40,840	Bachelor's Degree	Yes
<b><u>Psychiatric Technicians</u></b> Provides nursing care such as helping patients with personal hygiene and giving medications to mentally ill, emotionally disturbed, or mentally retarded patients.	29-2053	★★★	\$9.40	\$10.00	Moderate OJT	Yes
<b><u>Secondary School Teachers</u></b> Teaches students in public or private secondary schools in one or more subjects, such as English, math, science, or social studies.	25-2031	★★★	\$28,520 (Contract)	\$41,300	Bachelor's Degree	Yes
<b><u>Security Guards</u></b> Protects property, money, and merchandise in a store or similar establishment by detecting theft, shoplifting, and other unlawful practices by the public or employees. Preserves order and enforces security standards set by management. Also, may locates persons, using phones or mail directories, to serve legal papers and to collect debts.	33-9032	★★★	\$8.20	\$10.30	Short-Term	
<b><u>Special Education Teachers, Preschool, Kindergarten, and Elementary School</u></b> Teaches elementary school subjects to physically, visually, and hearing impaired students.	25-2041	★★★	\$26,400 (Contract)	\$39,340	Bachelor's Degree	Yes
<b><u>Special Education Teachers, Secondary School</u></b> Teaches secondary school subjects to physically, visually, and hearing impaired students.	25-2043	★★★	\$27,570 (Contract)	\$39,680	Bachelor's Degree	Yes
<b><u>Vocational Education Teachers, Postsecondary</u></b> Teaches vocational and/or occupational subjects at the postsecondary level which include business, secretarial, science, data processing, trades, and practical nursing subjects.	25-1194	★★★	25,980 (Contract)	40,240	Experience plus Bachelor's Degree	Yes
<b><u>Vocational Education Teachers, Secondary School</u></b> Teach vocational or occupational subjects at the secondary school level.	25-2032	★★★	\$28,370	\$40,990	Experience plus	Yes
Two Star Social Jobs						
<b><u>Child Care Workers</u></b> Monitors and cares for children in schools, businesses, or institutions. Performs a variety of tasks such as dressing, feeding, bathing, and overseeing play.	39-9011	★★	\$6.20	\$7.60	Short-Term OJT	Yes

<b><u>Child, Family, and School Social Workers</u></b>	21-1021	★★	\$11.10	\$15.40	Bachelor's Degree	Yes
Provide social services and assistance to improve the social and psychological functioning of children and their families.						
<b><u>Educational, Vocational, and School Counselors</u></b>	21-1012	★★	\$13.50	\$19.50	Master's Degree	Yes
Counsels individuals, and provides educational or vocational guidance and assessment services.						
<b><u>Emergency Medical Technicians and Paramedics</u></b>	29-2041	★★	\$7.30	\$11.40	After High School Applied Technology	Yes
Administers first aid treatment and transports sick or injured persons to medical facility, working as a member of an emergency medical team.						
<b><u>Employment, Recruitment, and Placement Specialists</u></b>	13-1071	★★	\$13.00	\$18.30	Bachelor's Degree	
Develops relationships with employers to provide employment opportunities for job applicants and students.						
<b><u>Mental Health and Substance Abuse Social Workers</u></b>	21-1023	★★	\$10.30	\$16.60	Master's Degree	Yes
Counsels and aids individuals and families with problems during or following the recovery from mental illness or alcohol/drug abuse.						
<b><u>Nursing Aides, Orderlies, and Attendants</u></b>	31-1012	★★	\$7.80	\$9.50	Short-Term	Yes
Works under the direction of medical staff to care for patients in health care facilities. Feeds patients unable to feed themselves, sets up equipment, prepares food trays, bathes, grooms, and dresses patients.						
<b><u>Personal and Home Care Aides</u></b>	39-9021	★★	\$7.50	\$8.60	Short-Term OJT	Yes
Performs housekeeping, personal care, and emotional support for clients in their places of residence. Helps elderly, disabled, and ill people live in their own homes instead of in a health facility.						
<b><u>Physical Therapist Aides</u></b>	31-2022	★★	\$7.60	\$9.40	Short-Term OJT	Yes
Prepares patients for and administers physical therapy treatments, such as exercise, hydrotherapy, traction, or heat treatment. Normally works under the direction of a physical therapist.						
<b><u>Preschool Teachers</u></b>	25-2011	★★	\$6.90	\$9.20	After High School Applied Technology	Yes
Instructs children (normally up to 5 years of age) in a preschool, day care, or other child development center. Conducts activities designed to develop social, physical, and intellectual skills needed for primary school.						
<b><u>Probation Officers and Correctional Treatment Specialists</u></b>	21-1092	★★	\$13.90	\$16.30	Bachelor's Degree	Yes
Performs casework duties to monitor and assist in the rehabilitation of law offenders either in custody or on probation.						
<b><u>Recreation Workers</u></b>	39-9032	★★	\$6.60	\$8.90	Bachelor's Degree	
Conducts recreation activities with groups in recreational facility or in public, private, or volunteer agency.						
<b><u>Social and Human Service Assistants</u></b>	21-1093	★★	\$7.60	\$9.60	Moderate OJT	
Assists Social Workers and Caseworkers to organize programs that aid families and individuals to prevent or resolve problems related to basic needs, substance abuse, and human relationships.						



# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
Social — Helper Cont. (see pages 13 & 14)						
<b><u>Teacher Assistants</u></b> Prepares classroom materials, supervises students, and operates audio-visual equipment under the guidance of a teacher.	25-9041	★★	\$13,760 (Contract)	\$19,290	Short-Term OJT	
<b><u>Title Examiners, Abstractors, and Searchers</u></b> Search real estate records, examine titles, or summarize pertinent legal or insurance details for a variety of purposes.	23-2093	★★	\$11.90	\$18.60	Moderate OJT	
<b><u>Ushers, Lobby Attendants, and Ticket Takers</u></b> Assists patrons at entertainment events, such as sporting events, motion pictures, or theater performances by collecting admission tickets and passes from patrons, and helping patrons find seats.	39-3031	★★	\$5.90	\$6.90	Short-Term	
<b><u>Waiters and Waitresses</u></b> Takes food orders and serves food and beverages to patrons in dining establishments.	35-3031	★★	\$5.90	\$6.80	Short-Term OJT	
One Star Social Jobs						
<b><u>Massage Therapists</u></b> Massage customers for hygienic or remedial purposes.	31-9011	★	\$5.90	\$8.10	After High School Applied Technology	Yes
Enterprising — Persuader (see pages 13 & 14)						
Five Star Enterprising Jobs						
<b><u>Chief Executives</u></b> Provides overall direction for organizations. Determines and formulates policies and strategies.	11-1011	★★★★★	NA	\$68.48 (National)	Experience plus Bachelor's Degree	
<b><u>Computer and Information Systems Managers</u></b> Manages, plans, directs, and coordinates information system and computer programming activities.	11-3021	★★★★★	\$26.60	\$39.70	Experience plus Bachelor's Degree	
<b><u>Construction Managers</u></b> Plans and directs activities concerned with the construction and maintenance of buildings, facilities, and systems.	11-9021	★★★★★	\$25.00	\$33.70	Bachelor's Degree	
<b><u>Construction Supervisors/Managers</u></b> Directly supervises and coordinates activities of construction trades workers and their helpers. May also engage in the same construction trades work as the workers they supervise.	47-1011	★★★★★	\$17.30	\$21.60	Related Work Experience	

<b><u>Electricians</u></b>	47-2111	★★★★★	\$12.60	\$19.00	Long-Term OJT	Yes
Installs, maintains, and repairs electrical wiring, equipment, and fixtures. Possesses electrician's license or identification card and follows local electrical codes to meet government regulations.						
<b><u>Financial Managers</u></b>	11-3031	★★★★★	\$23.50	\$33.70	Experience plus Bachelor's Degree	
Directs, coordinates, and implements financial policies, procedures, and practices including preparing budgets and reviewing reports.						
<b><u>Food Service Managers</u></b>	11-9051	★★★★★	\$14.40	\$19.90	Related Work Experience	
Plans, directs, and coordinates activities of an establishment, organization, or department that serves food and beverages.						
<b><u>General and Operations Managers</u></b>	11-1021	★★★★★	\$20.40	\$34.20	Experience plus Bachelor's Degree	
Provides overall direction for organizations. Determines and formulates policies and strategies. Plans, directs, and coordinates operational activities with the help of middle managers.						
<b><u>Industrial Engineers</u></b>	17-2112	★★★★★	\$23.60	\$31.00	Bachelor's Degree	Yes
Performs engineering duties in planning and overseeing the use of production facilities and personnel in industrial firms. Plans and implements production methods to maximize productivity and minimize cost.						
<b><u>Lawyers</u></b>	23-1011	★★★★★	\$26.60	\$45.00	First Professional Degree	Yes
Conducts criminal and civil lawsuits, prepares legal documents, advises clients on legal rights, and practices other phases of law.						
<b><u>Management Analysts</u></b>	13-1111	★★★★★	\$21.20	\$32.90	Experience plus Bachelor's Degree	
Reviews, analyzes, and suggests improvements to businesses and organizations to help management operate more efficiently and effectively.						
<b><u>Marketing Managers</u></b>	11-2021	★★★★★	\$22.60	\$35.90	Experience plus Bachelor's Degree	
Plans, directs, and coordinates activities to determine the demand for products and services offered by a firm.						
<b><u>Medical and Health Services Managers</u></b>	11-9111	★★★★★	\$23.90	\$33.40	Experience plus Bachelor's Degree	
Plans, directs, and coordinates medicine and health services in hospitals or similar organizations including						
<b><u>Paralegals and Legal Assistants</u></b>	23-2011	★★★★★	\$14.30	\$18.60	Associate Degree	
Assists lawyers by researching legal precedents, investigating facts, preparing legal documents, and directing and coordinating law office activities.						
<b><u>Purchasing Agents, Except Wholesale, Retail, and Farm</u></b>	13-1023	★★★★★	\$16.20	\$22.60	Related Work Experience	
Directs and manages activities involved with purchasing goods and services for an organization such as negotiating contracts, analyzing proposals, and preparing purchase orders.						
<b><u>Real Estate Appraisers</u></b>	13-2021	★★★★★	\$14.80	\$21.00	After High School Applied Technology	Yes
Appraises real property to determine its value for purchase, sales, investment, mortgage, or loan purposes.						

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Statewide Hourly Wage Median	Training	Licensed Occupation
Enterprising — Persuader Cont. (see pages 13 & 14)						
<b><u>Sales Managers</u></b> Plans, directs, and coordinates sales activities by establishing sales territories, quotas, goals, and training programs for sales representatives.	11-2022	★★★★★	\$21.10	\$35.10	Experience plus Bachelor's Degree	
<b><u>Sales Representatives, Except Technical and Scientific Products</u></b> Sells goods or services for wholesalers or manufacturers to businesses or groups of individuals. Solicits orders from established clients or secures new customers.	41-4012	★★★★★	\$13.80	\$21.80	Moderate OJT	
<b><u>Securities, Commodities, and Financial Services Sales Agents</u></b> Buys and sells securities in investment and trading firms keeping informed about political and economic trends that influence stock prices. Develops and implements financial plans for individuals, businesses, and organizations.	41-3031	★★★★★	\$15.80	\$28.90	Bachelor's Degree	Yes
<b><u>Sales Representatives, Technical and Scientific Products</u></b> Sells products that require a technical knowledge of the product and its use, such as agricultural equipment, electronic equipment, industrial machinery, medical equipment, and chemicals.	41-4011	★★★★★	\$17.20	\$28.40	Moderate OJT	
<b><u>Supervisors/Managers of Housekeeping and Janitorial Workers</u></b> Supervises the work activities of cleaning personnel to ensure clean, orderly, and attractive rooms in hotels, hospitals, schools, and similar establishments.	37-1011	★★★★★	\$10.10	\$14.50	Related Work Experience	
<b><u>Supervisors/Managers of Mechanics, Installers, and Repairers</u></b> Directly supervises and coordinates activities of mechanics, repairers, and installers and their helpers. May work in smaller establishments and perform both supervisory and management functions, such as accounting, marketing, and personnel work. May engage in the same repair work as the workers they supervise.	49-1011	★★★★★	\$16.50	\$24.10	Related Work Experience	
<b><u>Supervisors/Managers of Office and Administrative Support Workers</u></b> Plans, directs, and coordinates office support services of an organization. May oversee maintenance and custodial	43-1011	★★★★★	\$13.00	\$18.30	Related Work Experience	
<b><u>Supervisors/Managers of Production and Operating Workers</u></b> Directly supervises and coordinates activities of production workers, such as machine setters and operators, assemblers, fabricators, testers, or plant and system operators.	51-1011	★★★★★	\$13.80	\$20.70	Related Work Experience	
<b><u>Supervisors/Managers of Retail Sales Workers</u></b> Directly supervises and coordinates the activities of sales, marketing, and related workers. May perform management functions such as budgeting, accounting, marketing, and personnel work in addition to supervisory duties.	41-1011	★★★★★	\$10.80	\$15.20	Related Work Experience	

<b><u>Supervisors/Managers of Transportation/Material-Moving Machine/Vehicle Operators</u></b>	53-1031	★★★★★	\$15.00	\$22.40	Related Work Experience	
Supervises and coordinates the activities of transportation and material-moving machine and vehicle operators.						
<b>Four Star Enterprising Jobs</b>						
<b><u>Administrative Services Managers</u></b>	11-3011	★★★★	\$16.30	\$26.30	Experience plus Bachelor's Degree	
Plans, directs, and coordinates office support services of an organization. May oversee maintenance and custodial operations.						
<b><u>Advertising Sales Agents</u></b>	41-3011	★★★★	\$10.80	\$18.80	Moderate OJT	
Sells or solicits advertising, such as advertising space in publications, custom-made signs, and air time on TV and radio.						
<b><u>Chefs and Head Cooks</u></b>	35-1011	★★★★	\$1.10	\$13.70	Related Work Experience	
Directs and participates in the preparation, seasoning, and cooking of soups, meats, fish, vegetables, salads, desserts, or other foods.						
<b><u>Claims Adjusters, Examiners, and Investigators</u></b>	13-1031	★★★★	\$13.30	\$17.30	Long-Term OJT	
Investigates, analyzes, and determines the extent of an insurance company's liability concerning personal, casualty, or property loss or damages. Attempts to bring about settlements with claimants or their representatives.						
<b><u>Compensation and Benefits Managers</u></b>	11-3041	★★★★	\$21.10	\$30.20	Experience plus Bachelor's Degree	
Plan, direct, or coordinate compensation and benefits activities and staff of an organization. Include job analysis and position description managers.						
<b><u>Flight Attendants</u></b>	39-6031	★★★★	NA	NA	Long-Term OJT	
Provides information and personal services to airline passengers during flight to ensure their safety and comfort.						
<b><u>Industrial Production Managers</u></b>	11-3051	★★★★	\$23.90	\$35.80	Bachelor's Degree	
Plans, organizes, directs, controls, and coordinates the work activities and resources necessary for manufacturing products.						
<b><u>Parts Salespersons</u></b>	41-2022	★★★★	\$8.80	\$11.90	Moderate OJT	
Sells spare and replaceable parts and equipment from behind the counter in a parts store, repair shop, or agency. Determines the make, model, and type of part needed.						
<b><u>Property and Real Estate Managers</u></b>	11-9141	★★★★	\$13.10	\$23.80	Bachelor's Degree	Yes
Manages and oversees operations, maintenance, and administrative functions for commercial, industrial, or residential properties.						
<b><u>Supervisors/Managers of Food Preparation and Serving Workers</u></b>	35-1012	★★★★	\$9.00	\$12.50	Related Work Experience	
Plans, directs, and coordinates activities of an establishment, organization, or department that serves food and beverages.						

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage		Training	Licensed Occupation
			Inexperienced	Median		

## Enterprising — Persuader Cont. (see pages 13 & 14)

### Transportation, Storage, and Distribution Managers

Plans, directs, and coordinates the transportation operations of an organization including reviewing schedules, worker assignments, and routes.

11-3071

★★★★

\$20.10

\$27.90

Related Work  
Experience

### Wholesale and Retail Buyers, Except Farm Products

Selects and buys merchandise or commodities (other than farm products) from suppliers for resale to consumers at the wholesale or retail level.

13-1022

★★★★

\$13.70

\$19.10

Related Work  
Experience

## Three Star Enterprising Jobs

### Private Detectives and Investigators

Detect unlawful acts or infractions of rules in private establishment, or seek, examine, and compile information for clients.

33-9021

★★★

\$9.90

\$13.80

Related Work  
Experience

Yes

## Two Star Enterprising Jobs

### Athletes and Sports Competitors

Participates in professional competitive athletic events to entertain sports fans.

27-2021

★★

NA

NA

Long-Term  
OJT

### Bartenders

Mixes and serves alcoholic and nonalcoholic beverages to patrons, following standard recipes, in a restaurant, bar, or lounge.

35-3011

★★

\$5.90

\$8.00

Short-Term  
OJT

### Demonstrators and Product Promoters

Demonstrates merchandise and answers questions for the purpose of creating public interest in buying products.

41-9011

★★

\$7.70

\$9.00

Moderate  
OJT

### Driver/Sales Workers

Drives trucks or other vehicles over established routes to deliver and sell goods, such as food products; pick up and deliver items, such as parcels and laundry; or refill, service, and collect coins from vending machines.

53-3031

★★

\$6.00

\$9.50

Long-Term  
OJT

### Hairdressers, Hairstylists, and Cosmetologists

Provides a wide variety of beauty services to patrons, such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp.

39-5012

★★

\$7.40

\$10.00

After High School  
Applied Technology

Yes

### Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop

Welcomes patrons to an establishment, seats them at tables or in a lounge, and ensures a high quality of service.

35-9031

★★

\$6.30

\$7.70

Short-Term  
OJT

<b><u>Insurance Sales Agents</u></b>	41-3021	★★	\$11.30	\$15.50	Bachelor's Degree	Yes
Sells or advises clients on life, auto, fire, accident, and other types of insurance. May refer clients to independent brokers, work as independent broker, or be employed by an insurance company.						
<b><u>Loan Officers</u></b>	13-2072	★★	\$14.70	\$19.80	Bachelor's Degree	
Evaluates and recommends approval of commercial, real estate, or credit loans. Advises borrowers on financial options and methods of payments.						
<b><u>Manicurists and Pedicurists</u></b>	39-5092	★★	\$6.40	\$9.70	After High School Applied Technology	Yes
Cleans, shapes, and polishes customers' fingernails and toenails.						
<b><u>Meeting and Convention Planners</u></b>	13-1121	★★	\$11.70	\$16.40	Bachelor's Degree	
Coordinates the activities of staff and convention personnel to make arrangements for group meetings.						
<b><u>Public Relations Specialists</u></b>	27-3031	★★	\$13.70	\$19.60	Bachelor's Degree	
Promotes and creates a positive image for individuals, groups, or organizations by writing or selecting favorable publicity material and releasing it through various media.						
<b><u>Purchasing Managers</u></b>	11-3061	★★	\$22.70	\$35.10	Experience plus Bachelor's Degree	
Plans, directs, and coordinates the activities of workers involved in purchasing materials, products, or services.						
<b><u>Retail Salespersons</u></b>	41-2031	★★	\$6.90	\$9.20	Short-Term	
Sells a wide variety of merchandise such as clothing, appliances, furniture, tools, or motor vehicles. Also greets customers, shows and demonstrates merchandise and explains the use, operation, and care of the product to customers.						
<b><u>Telemarketers</u></b>	41-9041	★★	\$5.90	\$8.40	Short-Term OJT	
Promotes and solicits orders for goods or services over the telephone.						
<b><u>Training and Development Specialists</u></b>	13-1073	★★	\$12.70	\$18.40	Bachelor's Degree	
Plans, directs, and coordinates the training activities of an organization.						

One Star Enterprising Jobs

<b><u>Travel Agents</u></b>	41-3041	★	\$8.80	\$13.70	After High School Applied Technology	
Plans trips for travel agency customers. May specialize in foreign or domestic service, individual or group travel, specific geographical area, airplane charters, or package tours.						

Conventional — Organizer (see pages 13 & 14)

Five Star Conventional Jobs

<b><u>Audio and Video Equipment Technicians</u></b>	27-4011	★★★★★	\$9.00	\$14.70	Long-Term OJT	
Set up or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, and related electronic equipment for concerts, sports events, meetings, etc.						

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Median	Training	Licensed Occupation
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## Conventional — Organizer Cont. (see pages 13 & 14)

### **Executive Secretaries and Administrative Assistants**

Assists executives by coordinating and directing basic office services, such as staff assignments, records management, budget control, and special management studies.

43-6011

★★★★★

\$12.50

\$16.10

Moderate  
OJT

### **Inspectors, Testers, Sorters, Samplers, and Weighers**

Inspects, tests, grades, sorts, samples, or weighs nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products to verify conformity with established standards. Inspection may be done before, during, or after processing.

51-9061

★★★★★

\$9.20

\$13.90

Moderate  
OJT

### **Payroll and Timekeeping Clerks**

Computes and posts wage data to payroll records. Keeps daily, weekly, or monthly records showing payroll activities and transactions. Compiles employee time, production, and payroll data from time sheets and other records on a computer.

43-3051

★★★★★

\$10.40

\$14.20

Moderate  
OJT

### **Postal Service Mail Carriers**

Sorts mail for delivery, and delivers mail along an established route by vehicle or on foot.

43-5052

★★★★★

\$17.10

\$22.10

Short-Term  
OJT

## Four Star Conventional Jobs

### **Bill and Account Collectors**

Locates and notifies customers of delinquent accounts by mail, telephone, or personal visit to solicit payment.

43-3011

★★★★

\$9.60

\$12.30

Short-Term  
OJT

### **Billing and Posting Clerks and Machine Operators**

Operates machines that automatically perform mathematical processes, such as addition, subtraction, multiplication, and division, to calculate and record billing, accounting, and other numerical data, such as amounts customers owe, sales totals, and inventory data.

43-3021

★★★★

\$9.60

\$12.00

Moderate  
OJT

### **Bookkeeping, Accounting, and Auditing Clerks**

Computes, classifies, records, and summarizes financial data to keep and maintain fiscal records according to established bookkeeping and accounting procedures.

43-3031

★★★★

\$9.60

\$13.00

Moderate  
OJT

### **Court, Municipal, and License Clerks**

A Court Clerk performs clerical duties in a court of law. Secures, processes, and records information for the court. Confers with court officials and litigants regarding court proceedings. A License Clerk issues licenses or permits to qualified applicants. Obtains necessary information; records data; advises applicants on requirements; collects fees; and issues licenses.

43-4031

★★★★

\$9.60

\$12.20

Short-Term  
OJT

<b><u>Customer Service Representatives</u></b>	43-4051	★★★★	\$8.70	\$11.60	Moderate OJT	
Interviews applicants for water, gas, electric, or telephone service. Talks with customers by phone or in person, and receives orders to start, stop, or change service.						
<b><u>Dispatchers, Except Police, Fire, and Ambulance</u></b>	43-5032	★★★★	\$10.30	\$15.20	Moderate OJT	
Schedules and dispatches workers, work crews, equipment, or service vehicles to appropriate locations, according to requests, instructions, and needs to transport materials, freight, or passengers, or for service or emergency repairs done outside the place of business.						
<b><u>Human Resources Assistants</u></b>	43-4161	★★★★	\$9.20	\$13.40	Short-Term OJT	
Compile and keep personnel records.						
<b><u>Insurance Claims and Policy Processing Clerks</u></b>	43-9041	★★★★	\$9.20	\$12.80	Moderate	
An Insurance Claim Clerk obtains and compiles information from policyholders or designated persons for the purpose of settling claims with insurance carriers. An Insurance Processing Clerk processes applications for, changes to, reinstatement of, and cancellation of various types of insurance policies.						
<b><u>Legal Secretaries</u></b>	43-6012	★★★★	\$12.60	\$16.40	After High School Applied Technology	
Prepares legal documents and correspondences such as summonses, complaints, motions, and subpoenas. Must be familiar with legal terminology, procedures, and documents, as well as legal research.						
<b><u>New Accounts Clerks</u></b>	43-4141	★★★★	\$11.60	\$13.50	Related Work Experience	
Interviews persons who wish to open bank accounts. Explains banking services available to prospective customers and assists them in preparing application forms.						
<b><u>Pharmacy Technicians</u></b>	29-2052	★★★★	\$11.20	\$13.40	Moderate OJT	Yes
Fills orders for unit doses and prepackaged pharmaceuticals and performs related duties under the supervision and direction of a pharmacist.						
<b><u>Production, Planning, and Expediting Clerks</u></b>	43-5061	★★★★	\$10.50	\$13.10	Short-Term OJT	
Coordinates the flow of work and materials within or between departments of an establishment according to production schedule. Duties are primarily clerical in nature.						
<b><u>Reservation and Transportation Ticket Agents and Travel Clerks</u></b>	43-4181	★★★★	\$8.80	\$11.90	Short-Term OJT	
Makes and confirms reservations for passengers. Sells tickets for transportation carriers such as airlines, bus companies, railroads, and cruise ship lines. May check baggage and direct or escort passengers to a designated concourse, pier, or track.						
<b><u>Secretaries, Except Legal, Medical, and Executive</u></b>	43-6014	★★★★	\$8.80	\$11.80	Moderate OJT	
Relieves officials or executives of clerical work and minor administrative or business details by scheduling appointments, giving information to callers, composing and typing correspondence, reading and routing incoming mail, filing records, and other various clerical duties.						



# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage Inexperienced	Statewide Hourly Wage Median	Training	Licensed Occupation
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## Conventional — Organizer Cont. (see pages 13 & 14)

### Three Star Conventional Jobs

#### **Accountants and Auditors**

Accountants analyze financial information and prepare reports describing assets, liabilities, profit and loss, or other financial activities within an organization. Auditors examine and analyze accounting records to determine financial status of organizations and prepare financial reports.

13-2011

★★★

\$16.50

\$22.80

Bachelor's Degree

Yes

#### **Data Entry Keyers**

Operates keyboards or other data entry devices to input data into a computer or onto disk, tape, or card. Duties include coding and verifying alphabetic or numeric data.

43-9021

★★★

\$8.80

\$11.60

Moderate  
OJT

#### **Loan Interviewers and Clerks**

Loan Clerks review loan papers to ensure completeness; prepare correspondence, reports, and loan documents from drafts; and complete transactions between the loan establishment, borrowers, and sellers upon approval of loan.

43-4131

★★★

\$8.30

\$10.20

Short-Term  
OJT

#### **Office Clerks, General**

Performs any combination of clerical duties to provide clerical support to office staff, typically in an office environment.

43-9061

★★★

\$7.30

\$10.10

Short-Term  
OJT

#### **Order Clerks**

Receives and processes incoming orders for materials, merchandise, or services.

43-4151

★★★

\$7.80

\$10.10

Short-Term

#### **Receptionists and Information Clerks**

Receives and greets visitors to an establishment, or obtains and provides information for the general public (customers, visitors, and other interested parties). Provides information about activities conducted at the establishment; the location of departments, offices, and employees within the organization; or services offered. May perform other clerical duties as assigned.

43-4171

★★★

\$7.50

\$10.00

Short-Term  
OJT

#### **Shipping, Receiving, and Traffic Clerks**

Verifies and keeps records of incoming and outgoing shipments. Prepares items for shipment.

43-5071

★★★

\$8.70

\$11.00

Short-Term  
OJT

#### **Stock Clerks and Order Fillers**

A Stock Clerk receives, stores, and issues materials, equipment, and other items from stockroom, warehouse, or storage yard. An Order Filler fills customers' mail and telephone orders from stored merchandise in accordance with specifications on sales slips or order forms.

43-5081

★★★

\$7.40

\$10.00

Short-Term

<b><u>Tellers</u></b>	43-3071	★★★	\$8.40	\$9.70	Short-Term	
Receives and pays out money in a financial institution. Keeps records of money and other negotiable instruments involved in financial transactions.						
<b>Two Star Conventional Jobs</b>						
<b><u>Budget Analysts</u></b>	13-2031	★★	\$19.20	\$26.00	Bachelor's Degree	
Analyzes accounting records of an organization to determine financial resources needed to meet fiscal obligations. Makes recommendations for budget allocations.						
<b><u>Cashiers</u></b>	41-2011	★★	\$6.10	\$7.70	Short-Term	
Receives payments, issues receipts, handles credit transactions, accounts for the amounts received, and performs related duties in a wide variety of business establishments.						
<b><u>Counter and Rental Clerks</u></b>	41-2021	★★	\$6.30	\$8.40	Short-Term	
Greet customers and receives orders for services, such as rentals, repairs, dry cleaning, or storage. May compute cost and accept payment.						
<b><u>Credit Authorizers, Checkers, and Clerks</u></b>	43-4041	★★	\$10.30	\$12.80	Short-Term	
Credit Authorizers authorize credit charges against customers' accounts. Credit Checkers investigate history and credit standing of individuals or businesses applying for credit. They may also telephone or write to credit departments of businesses or service establishments to obtain information about an applicant's credit standing. Credit Clerks interview applicants to obtain personal and financial data; determine credit worthiness; processes applications; and notifies customers of acceptance or rejection of credit.						
<b><u>Hotel, Motel, and Resort Desk Clerks</u></b>	43-4081	★★	\$6.70	\$8.30	Short-Term	
Serves hotel patrons by registering and assigning rooms, issuing room keys, sending and receiving messages, making and confirming reservations, and presenting statements to and collecting payments from departing guests.						
<b><u>Library Assistants, Clerical</u></b>	43-4121	★★	\$7.00	\$8.70	Short-Term	
Assists librarians and library technicians in providing service to patrons. Issues and receives library materials; sorts, shelves, and maintains materials; and assists patrons in locating materials. May drive a bookmobile or light truck that pulls a book trailer to specific locations on a schedule and provide services in a mobile library.						
<b><u>Library Technicians</u></b>	25-4031	★★	\$7.50	\$9.20	After High School	
Assists librarian in the acquisition, processing, cataloging, and display of books and materials in a library. Assists patrons in the use of library resources.						
<b><u>Medical Records and Health Information Technicians</u></b>	29-2071	★★	\$9.30	\$11.80	Associate	Yes
Compiles and maintains medical records of patients in hospitals, clinics, nursing homes, or other health care facilities. Ensures that all necessary information is on a computer file.						

# Utah Career Chart

Occupational Title and Description	SOC Code	2004-2014 Rating	Statewide Hourly Wage		Training	Licensed Occupation
			Inexperienced	Median		

## Conventional — Organizer Cont. (see pages 13 & 14)

### Medical Secretaries

Performs secretarial duties, such as scheduling appointments for patients and taking dictation from medical staff using specific knowledge of medical terminology and procedures. Uses personal computers, and operates office equipment.

43-6013

★★

\$9.20

\$11.60

After High School  
Applied Technology

### Word Processors and Typists

Uses computer programs to prepare letters, reports, forms, or other material from rough draft, corrected copy, or voice recording. May perform other clerical duties as assigned.

43-9022

★★

\$9.40

\$11.60

Moderate  
OJT

## One Star Conventional Jobs

### File Clerks

Files correspondence, cards, invoices, receipts, and other records in alphabetical or numerical order or according to the filing system used.

43-4071

★

\$8.10

\$11.10

Short-Term  
OJT

### Law Clerks

Researches and analyzes law sources to prepare legal documents for review, approval, and use by attorney.

23-2092

★

\$11.00

\$16.30

Bachelor's Degree

### Mail Clerks and Mail Machine Operators, Except Postal Service

Prepares incoming and outgoing mail or packages for distribution and mailing.

43-9051

★

\$8.60

\$10.50

Moderate

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\*For more occupations, visit: <http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do>